CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

QC ABSTRACT

E OF WORK: Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, aneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Division.

	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
	RMC(M20)	Compressive Strength(7days and 28days)	7 sets /151-200 cum	182.26	14	14
	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	6 sets /101-150 cum	108.70	12	12
	GSB	SIEVE ANALYSIS	One Test		1	1
	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
	BM	SIEVE ANALYSIS	One Test		1	1
		STRIPPING VALUE	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		IMPACT VALUE	One Test		1	1
		Specific gravity	One Test		1	1
		Water Absorption	One Test		1	1
		Marshal Stability	One Test		1	1
		Marshal flow	One Test		1	1
		Percent air Voids	One Test		1	1
		Percent Voids in mineral Aggregate	One Test		1	1
		Percent Voids filled with Bitumen	One Test		1	1
		Density	One Test		1	1
		Gradation	One Test		1	1
	BC	SIEVE ANALYSIS	One Test		1	1
		STRIPPING VALUE	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		IMPACT VALUE	One Test		1	1
		Specific gravity	One Test		1	1
		Water Absorption	One Test		1	1
14		Marshal Stability	One Test		1	1
		Marshal flow	One Test		1	1
		Percent air Voids	One Test		1	1
		Percent Voids in mineral	One Test		1	1
		Percent Voids filled with Bitumen	One Test		1	1
		Density	One Test		1	1
		Gradation	One Test		1	1
	BITUMEN	Ductility	One Test		1	1
		Softening Point	One Test		1	1
15		Penetration	One Test		1	1
		Flash Point	One Test		1	1
		Fire Point	One Test		1	1
16	TACK COAT	Rate of spread	One Test		1	1

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2023-08-29-19** **Date: 25-04-22**
Project Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
Agency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
Date of Receipt	:	22-04-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	23-04-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	2.15	_
2	Finess by Air permeablity method (m^2/kg,Min)	282.2	225m^2/kg, Min
3	Density (gm/cc)	3.15	_
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	185 minutes	Not less than 30 minutes
6	Final Setting time	280 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು

CIVIL PRO
Sig.....
Date.....
BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2023-08-29-19 Date: 21-05-22

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 22-04-22

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6

Date of test : 23-04-22

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.5N/mm^2	Not less than 53 N/mm^2

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-08-29-19** **Date: 25-04-22**
Project Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
Agency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
Date of Receipt	:	22-04-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	22-04-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	374	374	2.5	97.5	90-100
3	20 mm	6738	7112	47.4	52.6	30-70
4	10 mm	5274	12386	82.6	17.4	10-35
5	4.75 mm	2081	14467	96.4	3.6	0-5
6	Pan	533	15000	100.0	0	---

CIVIL Pro Sig. Date BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-08-29-19 Date: 25-04-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.5	
3	Specific Gravity	2.65	_
4	Bulk Density(Loose) (Kg/l)	1.49	_
5	Bulk Density(Compacted) (Kg/l)	1.51	_
6	Water Absorption(%)	0.25	_

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-24

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-08-29-19 **Date: 25-04-22**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 22-04-22

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 22-04-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	159	159	3.2	96.8	90-100
3	10 mm	2541	2700	54.0	46.0	25-55
4	4.75 mm	2117	4817	96.3	3.7	0-10
5	Pan	183	5000	100	0	–

ಸಹಾಯಕ ಅಧಿಕಾರಿಗಳು
ಬಿಬಿಎಂಪಿ ಬ್ಯಾಟರಾಯನಪುರ, ಉಪ ವಿಭಾಗ

CIVIL Pro Sig Date BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿಗಳು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು-26

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilpro
HIGHWAY & BUILDING MATERIALS TEST

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-08-29-19** **Date: 25-04-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	14.8	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.50	_
5	Bulk Density(Compacted) (Kg/l)	1.55	_
6	Water Absorption(%)	0.28	_
7	Aggregate crushing Value(%)	26.6	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	24.3	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಸಿ.ವಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

b ID	:	CP-2023-08-29-19 **Date: 25-04-22**
oject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
stomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
te of Receipt	:	22-04-22
mple Type	:	Fine Aggregate
ference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
te of test	:	22-04-22
tal weight taken	:	1000 grams

no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	35	35	3.5	96.5	90-100	90-100	90-100	95-100
3	2.36 mm	172	207	20.7	79.3	60-95	75-100	85-100	95-100
4	1.18 mm	116	323	32.3	67.7	30-70	55-90	75-100	90-100
5	600 micron	201	524	52.4	47.6	15-34	35-59	60-79	80-100
6	300 micron	217	741	74.1	25.9	5-20	8-30	12-40	15-50
7	150 micron	183	924	92.4	7.6	0-10	0-10	0-10	0-15
8	Pan	76	1000	100.0	0.0	---	---	---	---

esult :The tested Sample Conforms to Grading Zone II

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro
Sig.....
Date.....
BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪ ಬೆಂಗಳೂರು-26

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

: CP-2023-08-29-19 Date: 25-04-22

AL PROPERTIES

Tests	Result	Requirements as per IS 383:2016
Water Absorption(%)	1.94	–
Specific Gravity	2.55	–
Material finer than 75 micron(%)	6.6	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

ults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST RESULTS OF STEEL

: CP-2023-08-29-19 **Date: 23-04-22**

Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

er's Reference : BBMP/EE/BTP/WO/02/2021-22

Receipt : 22-04-22

Type : Sunvik

e to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.

est: : 22-04-22

Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
		(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory

lts obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Spectro Chemical Analysis, Physical, Non Destructive All Type of Metal Testing

ab ID	:	CP-2023-08-29-19 Date: 23-04-22
roject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
gency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
stomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
te of Receipt	:	22-04-22
mple Type / Grade	:	Sunvik
te of test	:	22-04-22

CHEMICAL ANALYSIS

Sl. No.	Chemical Contents	8mm	10mm	Max. Limits as per IS:1786-2008, Gr. Fe 550
1	Carbon (C) %	0.142	0.133	0.300 Max
2	Phosphor (P) %	0.035	0.041	0.050 Max
3	Sulphur (S) %	0.037	0.046	0.055 Max
4	Sulphur & Phosphorus %	0.082	0.060	0.100 Max

te : The above material confirms to ASI S S 304 with respect to elements analysed

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in
HIGHWAY & BUILDING MATERI

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

: CP-2023-08-29-19

Date: 13-05-22

Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

r's Reference : BBMP/EE/BTP/WO/02/2021-22

Receipt : 09-05-22

Type /Size : Precast Cover Slab (100mm Thick)

to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

st : 09/05/2022

Slab : M15

Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
Cover Slab-1	77.51	100.48	1.116	4718	80.9	17.1	15.9	19.9
Cover Slab-2	77.25	100.52	1.122	4686	82.3	17.6	16.3	20.4
Cover Slab-3	77.53	100.51	1.118	4720	81.5	17.3	16.1	20.1

s obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro
Sig.
Date
BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

: CP-2023-08-29-19 **Date: 13-05-22**

Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

er's Reference : BBMP/EE/BTP/WO/02/2021-22

Receipt : 09-05-22

Type /Size : CC Kerb Stone/ 450*165*400mm

e to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

test : 09/05/2022

f Kerb : M15

Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
A	77.61	165.51	2.864	4730	80.2	17.0	17.0	21.2
B	77.05	165.49	2.793	4662	81.6	17.5	17.5	21.9
C	77.74	165.50	2.815	4746	83.7	17.6	17.6	22.0

ults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ವ್ಯಾಪ್ತಿ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

A : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19 **Date: 14/05/2022**

: Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Reference : BBMP/EE/BTP/WO/02/2021-22

ipt : 09-05-22

) : Drain Bottom Raft Concrete - 20th R Cross Road

e /Size : 150X150X150 mm

le/Age : M20 / 7 Days Compressive Strength

BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 14/05/2022

ntification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Bottom Raft rete - 20th R ross Road	M20	07/05/2022	14/05/2022	150.98	X	22789	8.609	336.2	14.8	14.7
				150.94	X					
				150.28						
Bottom Raft rete - 20th R ross Road	M20	07/05/2022	14/05/2022	150.43	X	22564	8.227	337.3	14.9	
				150.00	X					
				150.97						
Bottom Raft rete - 20th R ross Road	M20	07/05/2022	14/05/2022	150.62	X	22649	8.911	326.7	14.4	
				150.37	X					
				150.43						

btained are satisfactory as per standard requirements

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19 **Date: 04/06/2022**

: Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

ference : BBMP/EE/BTP/WO/02/2021-22

t : 09-05-22

: Drain Bottom Raft Concrete - 20th R Cross Road

Size : 150X150X150 mm

Age : M20 / 28 Days Compressive Strength

IS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 04/06/2022

ification lark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Bottom Raft te - 20th R ss Road	M20	07/05/2022	04/06/2022	150.99	X	22737	8.740	529.7	23.3	23.4
				150.58	X					
				150.03						
Bottom Raft te - 20th R ss Road	M20	07/05/2022	04/06/2022	150.05	X	22509	8.449	523.1	23.2	
				150.01	X					
				150.55						
Bottom Raft te - 20th R ss Road	M20	07/05/2022	04/06/2022	150.33	X	22646	8.769	533.6	23.6	
				150.64	X					
				150.62						

tained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19 **Date: 17/05/2022**

: Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

erence : BBMP/EE/BTP/WO/02/2021-22

: 12-05-22

: Drain Side Wall Concrete - 20th R Cross Road

ize : 150X150X150 mm

ge : M20 / 7 Days Compressive Strength

S codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 17/05/2022

ication ark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ide Wall - 20th R s Road	M20	10/05/2022	17/05/2022	150.96	X	22662	8.272	322.9	14.3	14.6
				150.12	X					
				150.68						
ide Wall - 20th R s Road	M20	10/05/2022	17/05/2022	150.69	X	22633	8.904	334.5	14.8	
				150.19	X					
				150.07						
ide Wall - 20th R s Road	M20	10/05/2022	17/05/2022	150.92	X	22671	8.756	336.9	14.9	
				150.22	X					
				150.30						

ained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪ ಬೆಂಗಳೂರು-26

****End of Report****

72924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

WAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
ATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

b ID	:	CP-2023-08-29-19 **Date: 17/05/2022**
oject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
stomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	12-05-22
tomer ID	:	Drain Side Wall Concrete - 20th R Cross Road
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 7 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
of test	:	17/05/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	17/05/2022	150.96	X	22662	8.272	322.9	14.3	14.6
				150.12	X					
				150.68						
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	17/05/2022	150.69	X	22633	8.904	334.5	14.8	
				150.19	X					
				150.07						
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	17/05/2022	150.92	X	22671	8.756	336.9	14.9	
				150.22	X					
				150.30						

esults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-08-29-19
	:	Date: 07/06/2022
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ncy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
tomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	12-05-22
tomer ID	:	Drain Side Wall Concrete - 20th R Cross Road
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
of test	:	07/06/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	07/06/2022	150.45	X	22690	8.622	533.8	23.5	23.4
				150.82	X					
				150.19						
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	07/06/2022	150.82	X	22732	8.235	531.3	23.4	
				150.72	X					
				150.04						
Drain Side Wall Concrete - 20th R Cross Road	M20	10/05/2022	07/06/2022	150.61	X	22684	8.946	527.5	23.3	
				150.62	X					
				150.58						

esults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ... ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2023-08-29-19 **Date: 18-05-23**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 15-05-23

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988
IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability
IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6

Date of test : 16-05-23

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.85	–
2	Finess by Air permeablity method (m^2/kg,Min)	348.6	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	285 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.8mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬ.ಗ.ಪಾ.

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2023-08-29-19** **Date: 13-06-23**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 15-05-23

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6

Date of test : 16-05-23

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

*The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-08-29-19** **Date: 18-05-23**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 15-05-23

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 15-05-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	217	217	1.4	98.6	90-100
3	20 mm	7453	7670	51.1	48.9	30-70
4	10 mm	4266	11936	79.6	20.4	10-35
5	4.75 mm	2844	14780	98.5	1.5	0-5
6	Pan	220	15000	100.0	0	---

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig. Date. BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

M : 9972924526 | Tel : +91 80 23444801 | e: rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

ID : CP-2023-08-29-19 Date: 18-05-23

SICAL PROPERTIES

.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.7	
3	Specific Gravity	2.61	–
4	Bulk Density(Loose) (Kg/l)	1.41	–
5	Bulk Density(Compacted) (Kg/l)	1.47	–
6	Water Absorption(%)	0.23	–

ıe results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-08-29-19** **Date: 18-05-23**
Project Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
Agency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer Reference	:	BBMP/EE/BTP/WO/02/2021-22
Date of Receipt	:	15-05-23
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	15-05-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	225	225	4.5	95.5	90-100
3	10 mm	2845	3070	61.4	38.6	25-55
4	4.75 mm	1745	4815	96.3	3.7	0-10
5	Pan	185	5000	100	0	-

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig Date BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

ı ID : CP-2023-08-29-19 Date: 18-05-23

YSICAL PROPERTIES

ı.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.1	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.43	–
5	Bulk Density(Compacted) (Kg/l)	1.49	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	22.9	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2023-08-29-19** **Date: 18-05-23**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 15-05-23

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 15-05-23

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL| ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

TEST REPORT OF FINE AGGREGATE

: CP-2023-08-29-19

Date: 18-05-23

AL PROPERTIES

Tests	Result	Requirements as per IS 383:2016
Water Absorption(%)	1.45	–
Specific Gravity	2.59	–
Material finer than 75 micron(%)	8.0	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

ults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST RESULTS OF STEEL

ab ID : CP-2023-08-29-19 **Date: 16-05-23**

roject Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

gency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

ustomer's Reference : BBMP/EE/BTP/WO/02/2021-22

ate of Receipt : 15-05-23

mple Type : Sunvik

ference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.

te of test: : 15-05-23

No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
	Sunvik	Fe500	8	0.392	514	657	20.0%	Satisfactory	Satisfactory
	Sunvik	Fe500	10	0.617	530	665	20.0%	Satisfactory	Satisfactory
	Sunvik	Fe500	12	0.889	548	674	20.0%	Satisfactory	Satisfactory

e results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪ ಬೆಂಗಳೂರು-26

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

pectro Chemical Analysis, Physical, Non Destructive All Type of Metal Testing

ID	:	CP-2023-08-29-19 **Date: 16-05-23**
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ncy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
tomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	15-05-23
ple Type / Grade	:	Sunvik
e of test	:	15-05-23

CHEMICAL ANALYSIS

No.	Chemical Contents	8mm	10mm	12mm	Max. Limits as per IS:1786-2008, Gr. Fe 550
1	Carbon (C) %	0.143	0.134	0.146	0.300 Max
2	Phosphor (P) %	0.036	0.043	0.042	0.050 Max
3	Sulphur (S) %	0.036	0.047	0.040	0.055 Max
4	Sulphur & Phosphorus %	0.083	0.062	0.078	0.100 Max

: The above material confirms to ASI S S 304 with respect to elements analysed

ಸಹಾಯಕ ಅಧಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

FOR CIVIL Pro.

CIVIL Pro Sig Date BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19

Date: 01/06/2023

e : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Reference : BBMP/EE/BTP/WO/02/2021-22

eipt : 27-05-23

D : Drain Bottom Raft Concrete - Near Dasarahalli Circle

e /Size : 150X150X150 mm

de/Age : M20 / 7 Days Compressive Strength

o BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

t : 01/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ain Bottom Raft Concrete - Near asarahalli Circle	M20	25/05/2023	01/06/2023	150.21	X	22665	8.222	331.9	14.6	14.5
				150.89	X					
				150.55						
ain Bottom Raft Concrete - Near asarahalli Circle	M20	25/05/2023	01/06/2023	150.57	X	22588	8.352	333.1	14.7	
				150.02	X					
				150.66						
rain Bottom Raft Concrete - Near asarahalli Circle	M20	25/05/2023	01/06/2023	150.76	X	22743	8.567	319.9	14.1	
				150.85	X					
				150.10						

lts obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧಿಕ್ಷಕರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

) ID	:	CP-2023-08-29-19
	:	Date: 22/06/2023
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ncy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
tomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	27-05-23
tomer ID	:	Drain Bottom Raft Concrete - Near Dasarahalli Circle
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 28 Days Compressive Strength
erence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
e of test	:	22/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Bottom Raft Concrete - Near Dasarahalli Circle	M20	25/05/2023	22/06/2023	150.30	X	22612	8.146	536.9	23.7	23.7
				150.45	X					
				150.58						
Drain Bottom Raft Concrete - Near Dasarahalli Circle	M20	25/05/2023	22/06/2023	150.73	X	22694	8.340	542.1	23.9	
				150.56	X					
				150.88						
Drain Bottom Raft Concrete - Near Dasarahalli Circle	M20	25/05/2023	22/06/2023	150.44	X	22605	8.377	533.7	23.6	
				150.25	X					
				150.35						

results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧಿಕ್ಷಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19

Date: 05/06/2023

: Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

eference : BBMP/EE/BTP/WO/02/2021-22

ot : 31-05-23

: Drain Side Wall Concrete - Near Dasarahalli Circle

/Size : 150X150X150 mm

/Age : M20 / 7 Days Compressive Strength

BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 05/06/2023

tification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Side Wall rete - Near ahalli Circle	M20	29/05/2023	05/06/2023	150.25	X	22552	8.728	317.9	14.1	14.5
				150.10	X					
				150.52						
Side Wall rete - Near ahalli Circle	M20	29/05/2023	05/06/2023	150.78	X	22744	8.222	328.6	14.4	
				150.84	X					
				150.66						
Side Wall rete - Near ahalli Circle	M20	29/05/2023	05/06/2023	150.91	X	22745	8.315	339.2	14.9	
				150.71	X					
				150.88						

btained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

SHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19 **Date: 26/06/2023**

:

Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

eference : BBMP/EE/BTP/WO/02/2021-22

pt : 31-05-23

: Drain Side Wall Concrete - Near Dasarahalli Circle

/Size : 150X150X150 mm

/Age : M20 / 28 Days Compressive Strength

BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 26/06/2023

tification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
n Side Wall crete - Near rahalli Circle	M20	29/05/2023	26/06/2023	150.13	X	22651	8.732	536.6	23.7	23.8
				150.88	X					
				150.66						
n Side Wall crete - Near rahalli Circle	M20	29/05/2023	26/06/2023	150.61	X	22636	8.124	540.6	23.9	
				150.30	X					
				150.94						
n Side Wall crete - Near rahalli Circle	M20	29/05/2023	26/06/2023	150.76	X	22721	8.826	541.8	23.8	
				150.72	X					
				150.27						

btained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬಂಗಳೂರು-28

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-08-29-19 **Date: 05/06/2023**
ct Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
cy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
mer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
of Receipt	:	31-05-23
mer ID	:	Drain Side Wall Concrete - Near Dasarahalli Circle
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 7 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
f test	:	05/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	05/06/2023	150.74	X	22671	8.722	321.5	14.2	14.2
				150.40	X					
				150.04						
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	05/06/2023	150.72	X	22674	8.712	328.7	14.5	
				150.44	X					
				150.50						
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	05/06/2023	150.39	X	22644	8.726	317.8	14.0	
				150.57	X					
				150.47						

ults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID : CP-2023-08-29-19 Date: 26/06/2023

ect Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

ncy : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

tomer's Reference : BBMP/EE/BTP/WO/02/2021-22

e of Receipt : 31-05-23

tomer ID : Drain Side Wall Concrete - Near Dasarahalli Circle

ıple Type /Size : 150X150X150 mm

ıple grade/Age : M20 / 28 Days Compressive Strength

erence to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

e of test : 26/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	26/06/2023	150.53	X	22616	8.653	534.9	23.7	23.5
				150.24	X					
				150.37						
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	26/06/2023	150.17	X	22532	8.564	528.2	23.4	
				150.04	X					
				150.42						
Drain Side Wall Concrete - Near Dasarahalli Circle	M20	29/05/2023	26/06/2023	150.55	X	22724	8.835	530.2	23.3	
				150.94	X					
				150.62						

he results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-08-29-19
		Date: 08/06/2023
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ncy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
tomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	03-06-23
tomer ID	:	Culvert Bottom Raft Concrete
nple Type /Size	:	150X150X150 mm
nple grade/Age	:	M20 / 7 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
te of test	:	08/06/2023

L. o.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Culvert Bottom Raft Concrete	M20	01/06/2023	08/06/2023	150.84	X	22750	8.108	325.7	14.3	14.3
					150.81	X					
					150.43						
	Culvert Bottom Raft Concrete	M20	01/06/2023	08/06/2023	150.76	X	22759	8.223	327.7	14.4	
					150.97	X					
					150.35						
	Culvert Bottom Raft Concrete	M20	01/06/2023	08/06/2023	150.70	X	22632	8.373	318.5	14.1	
					150.18	X					
					150.95						

The results obtained are satisfactory as per standard requirements.

ಕಿರಿಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

b ID : CP-2023-08-29-19 **Date: 29/06/2023**

oject Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

ency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

stomer's Reference : BBMP/EE/BTP/WO/02/2021-22

te of Receipt : 03-06-23

stomer ID : Culvert Bottom Raft Concrete

mple Type /Size : 150X150X150 mm

mple grade/Age : M20 / 28 Days Compressive Strength

eference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

ate of test : 29/06/2023

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Raft Concrete	M20	01/06/2023	29/06/2023	150.76	X	22625	8.855	534.4	23.6	23.6
					150.07	X					
					150.10						
2	Culvert Bottom Raft Concrete	M20	01/06/2023	29/06/2023	150.22	X	22640	8.299	528.5	23.3	
					150.71	X					
					150.05						
3	Culvert Bottom Raft Concrete	M20	01/06/2023	29/06/2023	150.74	X	22613	8.285	541.7	24.0	
					150.01	X					
					150.95						

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು ... ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ...

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-08-29-19
		Date: 12/06/2023
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ncy	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
tomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
e of Receipt	:	07-06-23
tomer ID	:	Culvert Side Wall Concrete
nple Type /Size	:	150X150X150 mm
nple grade/Age	:	M20 / 7 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
te of test	:	12/06/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Side Wall Concrete	M20	05/06/2023	12/06/2023	150.05	X	22523	8.718	334.5	14.9	14.6
				150.11	X					
				150.08						
Culvert Side Wall Concrete	M20	05/06/2023	12/06/2023	150.26	X	22584	8.437	333.7	14.8	
				150.30	X					
				150.52						
Culvert Side Wall Concrete	M20	05/06/2023	12/06/2023	150.10	X	22566	8.854	320.6	14.2	
				150.34	X					
				150.86						

he results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-08-29-19 **Date: 03/07/2023**
ject Name	:	Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.
ency	:	Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
stomer's Reference	:	BBMP/EE/BTP/WO/02/2021-22
te of Receipt	:	07-06-23
stomer ID	:	Culvert Side Wall Concrete
mple Type /Size	:	150X150X150 mm
mple grade/Age	:	M20 / 28 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
te of test	:	03/07/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	05/06/2023	03/07/2023	150.01	X	22568	8.458	532.5	23.6	23.4
					150.45	X					
					150.64						
2	Culvert Side Wall Concrete	M20	05/06/2023	03/07/2023	150.67	X	22691	8.684	533.7	23.5	
					150.60	X					
					150.42						
3	Culvert Side Wall Concrete	M20	05/06/2023	03/07/2023	150.90	X	22774	8.756	528.8	23.2	
					150.92	X					
					150.15						

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

: CP-2023-08-29-19 **Date: 30-05-23**

ne : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Reference : BBMP/EE/BTP/WO/02/2021-22

eipt : 26-05-23

pe /Size : Precast Cover Slab (100mm Thick)

BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

t : 26/05/2023

lab : M15

dentification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
Cover Slab-1	77.51	100.48	1.116	4718	80.9	17.1	15.9	19.9
Cover Slab-2	77.25	100.52	1.122	4686	82.3	17.6	16.3	20.4
Cover Slab-3	77.53	100.51	1.118	4720	81.5	17.3	16.1	20.1

s obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
IIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

: CP-2023-08-29-19 **Date: 30-05-23**

e : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Reference : BBMP/EE/BTP/WO/02/2021-22

eipt : 26-05-23

pe /Size : Precast Cover Slab (250mm Thick)

BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

t : 26/05/2023

lab : M15

dentification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
Cover Slab-1	77.41	250.48	3.116	4705	80.1	17.0	15.8	19.8
Cover Slab-2	77.32	250.52	3.122	4695	82.5	17.6	16.3	20.4
Cover Slab-3	77.85	250.23	3.118	4759	84.9	17.8	16.6	20.7

lts obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ[illegible]
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-08-29-19 **Date: 27/06/2023**

Project Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

Agency : Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 22-06-23

Customer ID : Cement Concrete Pavement - Vishwarathna #951 House Beside Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/06/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	27/06/2023	150.02	X	22584	8.149	475.8	21.1	21.4
					150.55	X					
					150.21						
2	Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	27/06/2023	150.29	X	22568	8.158	493.7	21.9	
					150.16	X					
					150.18						
3	Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	27/06/2023	150.94	X	22716	8.142	479.6	21.1	
					150.50	X					
					150.29						

* The results obtained are satisfactory as per standard requirements

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-08-29-19 **Date: 18/07/2023**

:

Name : Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagara, Dasarahalli Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division.

: Sri. Gopi Reddy, No:03, 1st Cross, 1st Main, Ramachandrapappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

ier's Reference : BBMP/EE/BTP/WO/02/2021-22

Receipt : 22-06-23

ner ID : Cement Concrete Pavement - Vishwarathna #951 House Beside Road

Type /Size : 150X150X150 mm

e grade/Age : M30 / 28 Days Compressive Strength

nce to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

f test : 18/07/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)		Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	18/07/2023	150.84	X	22659	8.228	763.9	33.7	33.9
				150.22	X					
				150.42						
Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	18/07/2023	150.17	X	22652	8.925	764.5	33.7	
				150.84	X					
				150.11						
Cement Concrete Pavement - Vishwarathna #951 House Beside Road	M30	20/06/2023	18/07/2023	150.53	X	22679	8.135	775.4	34.2	
				150.66	X					
				150.67						

he results obtained are satisfactory as per standard requirements

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-26

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES